

Title (en)
Magnetic refrigerator.

Title (de)
Magnetische Kühlvorrichtung.

Title (fr)
Réfrigérateur magnétique.

Publication
EP 0084929 A2 19830803 (EN)

Application
EP 83300064 A 19830106

Priority
JP 752682 A 19820122

Abstract (en)
A magnetic refrigerator comprises a working material (23) radiating heat when a magnetic field is applied thereto and absorbing heat when the magnetic field is removed therefrom, and magnetic coil (23) which is movable for selectively applying or removing the magnetic field to or from the working material. Directional heat pipes are disposed between the working material and an object (28) of cooling, whereby heat from the object of cooling is transmitted to the working material when the working material absorbs the heat, and whereby heat from the working material is prevented from being transmitted to the object of cooling when the working material radiates the heat.

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F25B 21/00; F28D 15/00

IPC 8 full level
F25B 21/00 (2006.01); **F25D 9/00** (2006.01); **F28D 15/06** (2006.01)

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F25B 21/00 (2013.01 - EP US); **F28D 15/06** (2013.01 - EP US); **F25B 2321/0021** (2013.01 - EP US); **Y02B 30/00** (2013.01 - EP US); **Y10S 505/889** (2013.01 - EP US); **Y10S 505/891** (2013.01 - EP US)

Cited by
FR2548339A1; EP2437010A3; FR2525748A1; EP0364361A1; FR2637678A1; US8904807B2; WO2016008732A1

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